

YUFA, Ye.Ye.; SOKOLOVA, V.G.; IZRAYLEVICH, M.A.

Preventive treatment for rheumatic relapses in children. Vop.  
revm. 1 no.4:49-52 O-D '61. (MIRA 1963)

1. Iz detskoy konsul'tatsii (zav. Ye.Ye. Yufa) 4-y gorodskoy  
L'vovskoy bol'nitsy (glavnyy vrach F.G. Suziy) i detskoy kon-  
sul'tatsii (zav. M.A. Izraylevich) 7-y gorodskoy polikliniki  
L'vova (glavnyy vrach V.G. Isayeva).  
(RHEUMATIC FEVER)

YUFA, Ye.Ya., vrach

Organization of vaccination in a pediatric health center is an important measure for reducing infectious diseases in a district.  
Med. sestra 20 no;6:48-50 Je '61. (MIA 12.11.61)

1. Iz detskoy konsul'tatsii 4-y gorodskoy bol'nitsy L'vova.  
(VACCINATION)

YUFA, Ye.Ya.; POLYAKOVA, T.G.

Influence of climatic characteristics on the course of pneumonia in children under 1 year of age. Gig. i san. 26 no.5:56-58 My '61.

(MIRA 15:4)

1. Iz detskoy konsul'tatsii 4-y gorodskoy bol'nitsy L'vova.  
(PNEUMONIA) (MAN—INFLUENCE OF CLIMATE)

YUFA, Ye.Ya.

Regular work and recreation schedule for school children. Med. sestra  
21 no.4:49-51 Ap '62. (MIRA 15:4)

1. Zaveduyushchiy detskoy konsul'tatsiyey 4-y gorodskoy bol'nitsy  
L'vova.

(SCHOOL-HYGIENE)

YUFA, Ye.Ye.; SHAMRAY, T.V.

Work of the nurse in the prevention of poliomyelitis. Med.  
sestra no.6:52-53 Je '62. (MIRA 15:8)

1. Iz detskogo poliklinicheskogo otdeleniya 4-y bol'nitsy L'vova.  
(POLIOMYELITIS—PREVENTION) (NURSES AND NURSING)

YURA, Ye. Ye. (L'vov)

Trichocephaliasis. Vel'd i akush. 27 no.4:14-22 Ap '62.  
(MIRA 15:6)  
(TRICHOCEPHALIASIS)

YUFA, Ye.Ya.

Protective care of children in the first year of life by means  
of house calls. Med.sestra 22 no.2:27-34 P '63.

(MIRA 16:5)

1. Zaveduyushchiy detskim poliklinicheskim otdeleniyem 4-y  
bol'nitsy L'vova.

(INFANTS—CARE AND HYGIENE)

YUFA, Ye.Ya.

Effect of meteorological factors in Lvov on the state of  
children in the interparoxysmal periods of rheumatic fever.  
Gig. i san. 28 no.7:96 JI '63, (MIRA 17:1)

1. Iz 4-y gorodskoy bol'nitsy L'vova.



YUFARKIN, V.L.

Treatment of gynecological diseases at Archman health resort. Zdrav.  
Turk. 6 no.2:20-23 Mr-Apr '62. (MIRA 1961)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent M.S.  
Seyradov) Turkmenskogo gosudarstvennogo meditsinskogo instituta.  
(GYNECOLOGY)

(ARCHMAN—HEALTH RESORTS, WATERING-PLACES, ETC.)

YUFARKIN, V.L., assistant

Case of cervical pregnancy. Zdrav.Turk. 3 no.3:36-37 Hy-Je  
'59. (MIRA 12:11)

1. iz kafedry akusherstva i ginekologii (zav. - prof.A.B.Preysman)  
Turkenskogo gosudarstvennogo meditsinskogo instituta im. I.V.Stalina.  
(PREGNANCY, EXTRAUTERINE)

YUFARKIN, V.L., assistant

Indications for treating women with somatic diseases at the Archman Health Resort. Zdrav. Turk. 5 no.2:17-18 Mr-Apr '61. (MIRA 12:5)

1. Iz kafedry akusherstva i ginekologii (zav. - dotsent M.S.Seyradov) Turkmenского государственного медицинского института имени И.В. Сталина.

(ARCHMAN--HEALTH RESORTS, WATERING PLACES, ETC.)  
(GENERATIVE ORGANS, FEMALE--DISEASES)

YUFARKINA, N.I.

Thyroid gland cancer. Khirurgiia 34 no.10:138-139 0'58  
(MIRA 11:11)

1. Iz kliniki obshchey khirurgii (zav. - prof. N.M. Tachmuradov)  
Turkmenskogo meditsinskogo instituta imeni I.V. Stalina.  
(THYROID GLAND, neoplasms  
surg. (Rus))

YUFARKINA, N.I., kand.med.nauk

Glass splinter wound of the heart. Zdrav.Turk. 3 no.5:39-40 S-0 '59.  
(MIRA 13:4)

1. Iz kafedry propedevticheskoy khirurgii (zaveduyushchiy - prof.  
N.M. Tachmaradov) Turkmenskogo gosudarstvennogo meditsinskogo ins-  
tituta im. I.V. Stalina.

(HEART--WOUNDS AND INJURIES)

YUFARKINA, N.I.; AKHMEDOV, M.

Removal of large foreign bodies from the rectum. Zdrav. Turk.  
7 no. 128 Ja '63. (MIRA 16:3)

1. Iz gosital'noy khirurgicheskoy kliniki (zav. - chlen-korres-  
pondent AMN SSSR, prof. I.P. Berezin) Turkmenskogo gosudarst-  
vennogo meditsinskogo instituta.  
(RECTUM--FOREIGN BODIES)

YUFEREV, I.

1. IVANOV, V.G.; YUFEREV, B.I.

2. USSR (600)

4. Gravel

7. Over-all mechanization of operations in a large-scale gravel pit, Mekh.trud.rab. 7  
no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

NACHINKIN, O.I.; PEREPETKIN, K.Ye.; YUFEREV, N.S.; ZHAROV, V.A.

Microapparatus for the formation of filaments. Khim.volokn.  
no.5:45-46 '62. (MIRA 15:11)

1. Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo  
instituta iskusstvennogo volokna.  
(Spinning)  
(Textile fibers, Synthetic)



BOGUSH, O.I.; YUFEREV, O.V.

Foraminifera and the stratigraphy of Carboniferous deposits of  
Kara-Tau. *Biul.MOIP.Otd.geol.* 31 no.3:114-115 My-Je '56.

(Kara-Tau--Foraminifera, Fossil)

(MLRA 9:12)

(Kara-Tau--Geology, Stratigraphic)

YUFEREV, O.V.

BOGUSH, O.I.; YUFEREV, O.V.

Foraminifera and stratigraphy of Carboniferous deposits of the  
Kara-Tau and the western spurs of the Talas Ala-Tau. Dokl. AN  
SSSR 112 no.3:487-489 Ja '57. (MLRA 10:4)

1. Predstavleno akademikom N.S. Shatskim.  
(Kara-Tau--Geology, Stratigraphic)  
(Tals Ala-Tau--Geology, Stratigraphic)

BOGUSH, O.I.; YUFEREV, O.V.

Some new Tournaisian foraminifer species from the Kara-Tau and the western spurs of the Talas Ala-Tau. Paleont. zhur. 1961, 10, 1-12.

(MIRA 1961, 10, 1-12)

1. Severo-Kavkazskiy gorno-metallurgicheskiy institut.

(Kara-Tau--Foraminifera, Fossil)

(Talas Ala-Tau--Foraminifera, Fossil)

BOGUSH, O.I.; YUFEREV, O.V.

On the discovery of the Bashkirian Archaediscinae complex of foraminifera in the central part of the West Siberian Plain. Dokl. Ak. Nauk SSSR no. 1150-1152 0 '62. (MIRA 1962)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR.  
Predstavleno akademikom A.A. Trofimukom.  
(Siberia, Western—Foraminifera, Fossil)

ALEKSEYEVA, R.Ye.; BETERMINTINA, O.A.; VOZZHEINIKOVA, T.F.; GRATSIAKOVA, R.T.;  
DUBATOLOV, V.N.; YELKIN, Ye.A.; ZAKHAROV, V.A.; IVANOVSKIY, A.B.;  
SIDYACHENKO, A.I.; KUL'KOV, N.P.; MYAGKOVA, Ye.I.; OBIT, A.M.;  
SAKS, "N.; TESAKOV, Yu.I.; FURSENKO, A.V.; KHOMENTOVSKIY, V.V.;  
YUFEREV, G.V.

Corresponding Member of the Academy of Sciences of the U.S.S.R.  
Boris Sergeevich Sokolov; 1914 - ; on his 50th birthday. Geol.  
i geofiz. no.8:140-147 '64 (MIRA 18:2)

YUFEREV, K. F.

Sodium hyposulfite from metallic sodium and sulfur dioxide. R. F. YUFEREV AND P. V. MALUGIN. *J. Chem. Ind. (Moscow)* 7, 553-5 (1930) — Results of exps. on producing  $\text{Na}_2\text{S}_2\text{O}_4$  by the BASF method of Ger. patent 148,123, 1904 are given. The method consists of causing Na to react in the form of metal or amalgam with  $\text{SO}_2$  dissolved in a liquid neutral to  $\text{Na}_2\text{SO}_3 + 2\text{SO}_2 = \text{Na}_2\text{S}_2\text{O}_4$ . Liquids used as  $\text{SO}_2$  solvents were abs. EtOH, anhyd. Et<sub>2</sub>O, anhyd. kerosene, EtOH dried over CaO but without distn., Et<sub>2</sub>O said. with H<sub>2</sub>O and kerosene said. with H<sub>2</sub>O. When 0.4 mm. of Na wire was used and the reaction carried out in abs. EtOH and in EtOH contg. moisture at 20° the conversion of Na to salt takes 1 hr., the yields being 65.1 and 65.31%  $\text{Na}_2\text{S}_2\text{O}_4$  resp. Any further bubbling through of  $\text{SO}_2$  decreases the yield. At 0° reaction proceeds very slowly, with 21.2-20.27% yield. In ether and kerosene yields are poor. Increase of the size of the Na wire decreases the yield, because of the compn. of  $\text{Na}_2\text{S}_2\text{O}_4$  formed by  $\text{SO}_2$ . Agitation of liquid and presence of moisture speeds up the reaction and increases the yield. Reaction with Na amalgam is more complete, yields in EtOH contg. moisture reach 99.68% as a max. The chem. nature of the  $\text{Na}_2\text{S}_2\text{O}_4$  solvent plays an important part in the process. JAMES SCHUBB

YUFEREV, R.F.

Origin of the Khodzha-Ikan salt deposit. Izv. AN Turk. SSR. Ser. fiz.-  
tekhn., khim. i geol. nauk no. 3: 119-122 '61. (MIRA 14:7)

1. Institut geologii AN Turkmenskoy SSR.  
(Termez District—Salt domes)

YUFEREV, R.F.

New species of Bursicmya and Pleuromya from the Jurassic  
deposits of the Kugitang Range. Izv. AN Turk. SSR. Ser. fiz.-tekhn.,  
khim. i geol. nauk no.4:98-105 '61. (MIRA 14:1)

1. Institut geologii AN Turkmenskoy SSR.  
(Kugitang-Tau--Lamellibranchiata, Fossil)



LIKENSHTeyN, G.Kh.; KUTUZOVA, V.V.; MASHYKOV, K.K.; BABAYEV, A.G.;  
POL'STER, L.A.; YUFEREV, R.F.; SHISHOVA, A.I.; BAREYEV,  
R.A.; MAKAROVA, L.N.; MURADOV, K.; PYANOVSKAYA, I.A.;  
SEMOV, V.N.; SIROTINA, Ye.A.; TURKINA, I.S.; FEL'DMAN,  
S.L.; KHON, A.V.; KUNITSKAYA, T.N.; GOLENKOVA, N.P.;  
ROSHINA, V.M.; FARTUKOV, M.M.; SHCHUTSKAYA, Ye.K.;  
ALTAYEVA, N.V.; BYKADOROV, V.A.; KOTOVA, M.S.; SMIRNOV,  
L.M.; IERAGIMOV, M.S.; KRAVCHENKO, M.F.; MARKOVA, L.P.;  
ROZYYEVA, T.R.; UZAKOV, O.; SLAVIN, P.S.; NIKITINA, Ye.A.;  
MILOGRADOVA, M.V.; BARTASHEVICH, O.V.; STAROBINETS, I.S.;  
KARIMOV, A.K.

[Splicing of the wires of overhead power transmission lines]  
Soedinenie provodov vozdukhnykh liniy elektroperedachi. Mo-  
skva, Energiia, 1964. 69 p. (Biblioteka elektromontera,  
no.132) (MIRA 17:9)

YUFEREV, VIACHESLAV IVANOVICH

YUFEREV, VIACHESLAV IVANOVICH. Spravochnaia knizhka po khlopkovodstvu v SSSR. Moskva, Izd. Glavn. khlopk. kom-ty, 1925. 604 p. (VSNKh. Glavnyi khlopkovyi komitet.) NN DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

YUFEREV, VIACHESLAV IVANOVICH.

YUFEREV, VIACHESLAV IVANOVICH. Khlopkovodstvo v Turkestane. Leningrad, AN SSSR, 1925. 160 p. Bibliography: p. 157-158. CtY ICU RPB DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

YUFEREV, Y.M., inzh.

Mechanization of switch box changing. Pat' 1 put. khoz. no.10:26  
0 '57. (MLRA 10:11)

1. Zamestitel' nachal'nika distantzii, stantsiya Shalakusha, Severnoy  
dorogi.

(Railroads--Switches)

YUFEREV, V.M., inzh. . .

Further improvements in electric power distribution systems  
for track work. Zhel. dor. transp. 41 no.4:30-35 Ap '59.

(MIRA 12:6)

(Railroads--Track) (Electric power distribution)

ANDREYEV, V.N., inzh.; DOTSENKO, V.Ye., kand.tekhn.nauk; YUFEREV, V.M.,  
inzh.

Power lines along the track. Put' i put.khoz. 4 no.11:28-30 E  
'60. (MIRA 13:12)

(Railroads--Electric equipment)

S/137/61/000/005/055/092  
A005/A101

AUTHORS: Khudenko, M.A., Yuferov, V.M.

TITLE: Peculiarities in the transformation of low-carbon steel

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 6, 1961, 18-19, abstract  
6Zh131 ("Sb. tr. Dneprodzerzh. vech. metallurg. in-ta", 1960, v. 2,  
135 - 138)

TEXT: The authors studied the singling-out of excessive ferrite in low-carbon M 16L (M16S) steel. The possibility is shown of revealing the actual austenite grain in such steels, during abrupt cooling in water from the austenite state or cooling below  $A_{c3}$  ( $840^{\circ}\text{C}$ ), from the ferrite singled out along the borders.

L. Aleksandrov

[Abstracter's note: Complete translation]

Card 1/1

DOTSENKO, V.Ye., kand.tekhn.nauk; YUFEREV, V.M., inzh.

Electric tool power supply from a.c. lines. Put' i put.  
khoz.4 no. 5:31-34 My '60. (MIRA 12:11)

(Railroads--Electric equipment,



BOREUNOV, A.I., inzh.; YUFEREV, V.M., inzh.

Designing the tapping-off points for electric power. Put' 1 put.  
khoz. 5 no.3:15-17 Mr '61. (MIRA 14:3)  
(Railroads—Electric equipment)

YUFEREV, V.M., inzh. (Novosibirsk)

High voltage transformers in operation. Put' i put.khoz. 6  
no.12:24-25 '62. (MIRA 16:1)

(Electric transformers)  
(Electric railroads--Current supply)

YUFEREV, V.M., inzh. (Novosibirsk); FIRSOVA, L.D., inzh.;  
ERLIKH, V.M., inzh.

Some problems in the electrification of track maintenance  
and repair operations. Zhel. dor. transp. 45 no.4:44-45  
Ap '63. (MIRA 16:4)

(Railroads—Maintenance and repair)  
(Railroads—Electric equipment)

YUFEREV, YA.S.

GORLOVSKIY, M.A.; PYATNITSKIY, A.N.; YUFEREV, Ya.S., otvetstvennyy redaktor;  
ADAMOVA, L., redaktor; NOSOVA, L., tekhnicheskiy redaktor

[History of the workers' movement in the Urals; sketches of the plight  
of the serf in the Central Urals and their struggle to abolish  
serfdom (1800-1870)] Iz istorii rabochego dvizheniya v Urals; ocherki  
o polozhenii krestnykh rabochikh Srednego Urala i ikh bor'be za  
likvidatsiiu krestnitshestva (1800-1870 gg.). [Sverdlovsk] Sverdlov-  
skoe kn-vo, 1954. 379 p.  
(Ural Mountain Region--Serfdom) (MIRA 9:12)

RAKOV, V.V.; YUFEROV, A.A.; RASKIN, V.Z.; KALININA, G.I.

Modifications of the technological flow sheet for the preparation  
of the coal charge in the Kuznetsk Metallurgical Combine. Koks  
i khim. no.6:3-7 '63. (MIRA 10:2)

1. Kuznetskiy metallurgicheskiy kombinat.  
(Coal preparation) (Novokuznĕtsk--Metallurgical plants)

ZHUREV, A.G.; SAVEL'YEV, B.A.; KOLESANOV, F.F.; VINOGRADOV, A.I.;  
YUFEROV, A.I.; VEDERNIKOV, H.P.; SKRIN, P.A.; VEDERNIKOVA, L.N.

Preparation of Bakal siderites for blast furnace smelting  
by means of roasting. [Sbor. trud.] Nauch.-issl.inst.met.  
no.4:33-43 '61. (MIRA 15:11)

(Bakal region--Siderite)  
(Ore dressing)

YUFEREV, A.I.

Universal device for checking indicators and inside calipers.  
Izm. tekhn. no. 7211 J1 '63. (MIRA 16:8)

(Gauges)

ROTENBERG, I.P.; KHOBOOTOVA, Ye.N.; YUFEROV, A.M.; KOZIOVA, G.I.

Purification of waste waters from the manufacture of phenol-formaldehyde resins. Plast.massy no.3:69-71 '60.

(MIRA 13:6)

(Sewage--Purification) (Phenols)



8(5)

**AUTHORS:**

Yuferov, Andrey Mikhaylovich, Professor SOV/161-58-2-16/30  
at the Chair of Metallography of the Gor'kiy Polytechnic  
Institute, Yuferov, Fedor Mikhaylovich, Candidate of Technical  
Sciences, Docent at the Chair of Electrical Machines of the  
Moscow Power Engineering Institute

**TITLE:**

Induction Motor With Massive Metal Ceramic Rotor (Asinkhronnyy  
dvigatel' s massivnym metallokeramicheskim rotorom)

**PERIODICAL:**

Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika,  
1958, Nr 2, pp 134 - 138 (USSR)

**ABSTRACT:**

The results of the 1957 tests on induction motors with massive  
powder metal rotors are given. 8 rotors differing from one another  
by both composition and method of production were tested.  
A short description of the rotors follows. All rotors were  
tested in the same motor. The test gave the following results:  
1) The mechanical characteristics of the motor with powder  
metal rotors are considerably better than those of the motor  
with rotors of all types of tested cast-iron and are about  
the same as those of the motors with a Nr 3 steel rotor  
without copperplated frontal areas. 2) The mechanical

Card 1/2

Induction Motor With Massive Metal Ceramic Rotor

SOV/161-58-2-16/30

characteristics of motors with rotors Nr 5 and 8 are analogous to those of the motor with a rotor of steel 3 with copperplated frontal areas. 3) The no-load current (magnetizing current) of a motor with the metal ceramic rotors Nr 1-3 is practically equal to that of the motor with the steel Nr 3 rotor. 4) The efficiency of the powder metal rotor equipped motor is better than that of the motors with rotors of various cast-iron types. The efficiency of a motor with the best metal ceramic rotors (Nr 5 and 8) is the same as that of a motor with a rotor of steel 3 with copperplated frontal areas and better than that of the motor equipped with a steel 3 rotor without copperplating. There are 3 figures and 1 table.

ASSOCIATION: Kafedra elektricheskikh mashin Moskovskogo energeticheskogo instituta (Chair for Electrical Machines of the Moscow Power Engineering Institute)

SUBMITTED: January 22, 1958

Card 2/2

YUFEROV, A.M.

Mechanism of hardening and softening processes. Issl. po zharopr.  
splay. 3:239-248 '58. (MIRA 11:11)  
(Metals--Hardening) (Crystal lattices) (Deformations (Mechanics))

AUTHOR: Gulyaev, B.B.  
 TITLE: Conference on Crystallization of Metals (Sovetskaniye po Kristallizatsii Metallov)  
 PERIODICAL: Investitsiya Akademii Nauk SSSR, Otdeleniye Tekhnicheskikh Nauk, 1958, Nr. 4, pp 153 - 155 (USSR)

**ABSTRACT.** This conference was held at the Institute machineobroyeniye. At same Institute of Mechanical Engineering of the A.S. USSR on June 28-31, 1958. About 400 people participated and the participants included specialists in the fields of foundry, metallurgy, crystallography, physics, welding, heat, physical chemistry, mathematical physics and other related subjects. In addition to Soviet participants, also took part in the conference specialists from the German Democratic Republic, Czechoslovakia, Poland, United States of America, China, India, and Hungary. This conference devoted to the general problems of the theory of foundry processes.

Crystallization of Steel and Alloys with Special  
Attention to the following papers were read:  
V. I. Ostapenko, I. Khmel' and A. R. Gudachev;  
V. I. Ostapenko, I. Khmel' and A. R. Gudachev;  
Reaching Non-uniformities of Large Castings (1930-32)  
made of Manganese Steel; V. K. Kopylovskiy, V. K. Kuchin  
and V. V. Alipov - "Influence of Internal Crystallizers  
on the Structure and Properties of Steel Ingots";  
M. A. Khvorim (Gatchinskaya) - "On the Crystallization  
of Steel"; A. V. Kovalev - "Crystallization of Continuous  
Cast Ingot and Influence on it of the Properties of  
Liquid Steel"; L. A. Morozovskiy and O. D. Silel'.

Card/610

Card 6/10

"Influence of Movement of the Metal in the Liquid Core on the Crystallization of Steel Ingots and Castings"; V. G. Gur'ina, A. A. Novikova, and B. B. Gulyayev - "Crystallization and Mechanical Properties of Steels at Elevated Temperatures"; V. S. Kuyper - "Influence of Isocaulization Processes of the Crust and the Speed of Solidification of the Metal on the Nature of Thermal Stresses and Deformation in the Crust of a Crystallizing Ingot"; V. G. Gur'ina and P. A. Gulyayeva - "Problems of the Formation of the Primary Structure of Structural Steel and the Influence on it of the Temperature of Pouring".

The features of crystallization of castings made of alloys with special properties and austenitic steels were dealt with in the following papers on the subject: I. I. Goryunov - "Influence of the casting process and on the physico-mechanical properties of high-alloy steels"; P. V. Krut'ko, P. V. Krenov, N. V. Lebedev and M. Ya. Rodina - "Occurrence of non-uniformities in high-temperature alloys during crystallization and heat treatment" and "Experimental investigation of the process of crystallization of cast blades made of refractory alloys"; A. M. Mikhlin considered the process of recrystallization of steel.

Case 27/10

YUFEROV, A. M., Candidate Tech Sci (diss) -- "The mechanism of the processes of recrystallization, strengthening, and weakening". Gor'kiy, 1959. 14 pp (Min Higher Educ USSR, Gor'kiy Polytech Inst im A. A. Zhdanov, Chair of Metal Science), 150 copies (KL, No 25, 1959, 136)

Xu FERov, A.M.

International Conference on the Theory of Steel Crystallization, Moscow, 1971, p. 107.

International Conference on the Theory of Steel Crystallization, Moscow, 1971, p. 107.

International Conference on the Theory of Steel Crystallization, Moscow, 1971, p. 107.

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International Conference on the Theory of Steel Crystallization, Moscow, 1971, p. 107.

YU. FEROV, H.M.

PHASE I BOOK EXPLOITATION

SOV/5511

Nauchno-tekhnicheskoye obshchestvo mashinostroitel'noy promyshlennosti.  
Kiyevskoye oblastnoye pravleniye.

Metallovedeniye i termicheskaya obrabotka (Physical Metallurgy and Heat  
Treatment of Metals) Moscow, Mashgiz, 1961. 336 p. Errata slip  
inserted. 5,000 copies printed.

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Serdyuk, Engineer.

Card 1/10

Physical Metallurgy. (Cont.)

SOV/5511

**PURPOSE:** This collection of articles is intended for scientific workers and technical personnel of research institutes, plants, and schools of higher technical education.

**COVERAGE:** The collection contains papers presented at a convention held in Kiyev on problems of physical metallurgy and methods of the heat treatment of metals applied in the machine industry. Phase transformations in metals and alloys are discussed, and results of investigations conducted to ascertain the effect of heat treatment on the quality of metal are analyzed. The possibility of obtaining metals with given mechanical properties is discussed, as are problems of steel brittleness. The collection includes papers dealing with kinetics of transformation, heat treatment, and properties of cast iron. No personalities are mentioned. Articles are accompanied by references, mostly Soviet.

**TABLE OF CONTENTS:**

Foreword

3

Card 2/10



Physical Metallurgy. (Cont.)

SOV/5511

Aksenov, G. I., Doctor of Technical Sciences, Professor,  
A. M. Yuferov, Assistant (Kuybyshev), V. N. Sakharova,  
Engineer, and B. N. Yakovlev (Gor'kiy). Transformations  
in the 9Kh-Type Quenched Steel Under External Loading 5

Stregulin, A. I., Engineer, and L. A. Mel'nikov (Sverdlovsk).  
Transformation of Austenite Into Martensite Under High  
Pressure 12

Brusilovskiy, B. A., Engineer, and F. I. Ivanov (Kramatorsk).  
X-Ray Investigation of the Decomposition Kinetics of Martensite  
in Tempering at Low Temperature 19

Kocherzhinskiy, Yu. A., Candidate of Technical Sciences  
(Kiyev). Conditions of Formation of Metastable Austenite  
in Iron-Carbon Alloys 22

Mirovskiy, E. I., Engineer (Kiyev). The Nature of the  
Phase Transformation of Carbon Steels 34

Card 3/10

Physical Metallurgy (Cont.)

SOV/5511

Rauzin, Ya. R., Engineer (Moscow). On the Nature of the  
Critical Degree of Strain 44

Sadovskiy, V. D., Engineer, and G. N. Bogacheva (Sverdlovsk).  
On the Problem of the Phase Recrystallization of the G13L  
Cast Steel 54

Permyakov, V. G., Engineer, and M. V. Belous (Kiyev). The  
Changes in the Carbide Phase During the Tempering of Carbon,  
Silicon, and Aluminum Steels 62

Cherepin, V. T., Candidate of Technical Sciences (Kiyev).  
Tempering of Carbon Steel by Using Electric Heating 75

Golovan', N. A., Engineer (Kiyev). Concentration of Carbides  
in a Martensite Needle 85

Baranov, S. M., Doctor of Technical Sciences, Professor  
(Leningrad). Effect of Silicon Monoxide on the Properties  
of Steel 92

Card 4/10

Physical Metallurgy. (Cont.)

SOV/5511

- Sazonov, B. G., Candidate of Technical Sciences (Sverdlovsk). Investigating the Influence of the Heating Rate and the Initial Structure on the Phase Recrystallization of Steel and Recrystallization of Austenite as Stipulated by the Phase-Hardening Effect 97
- L'vov, G. K., Engineer (Kiyev). Basic Principles of Rapid Recrystallization of Low-Carbon Steel 106
- Larikov, L. N., Engineer (Kiyev). Investigating the Effect of Aluminum and Chromium Additions on the Recrystallization Kinetics of  $\alpha$ -Iron 114
- Sokol, A. N., Candidate of Technical Sciences, O. S. Kostyrko, Engineer, E. I. Mirovskiy, B. B. Vinokur, and M. P. Braun, Doctor of Technical Sciences, Professor (Kiyev). Plasticity of Steels Within the Pressworking Temperature Range 121
- Vinokur, B. B., Engineer, E. I. Mirovskiy (Kiyev) and A. L. Geller (Kramatorsk). Effect of the Increase of Forging

Card 5/10

Physical Metallurgy (Cont.)

SOV/5511

- Temperature on the Mechanical Properties of Large Forgings 127
- Braynin, I. Ye., Doctor of Technical Sciences, Professor (Stalino), V. A. Kharchenko, Engineer and A. I. Kondrashev (Kramatorsk). Experimental Investigation of Stress Distribution in the Cross Section of a Bent Billet as Related to Flaking 132
- Baranov, S. M. (Leningrad). Hydrogen as a Surface-Active Admixture in Alloys 138
- Kostyrko, O. S., Engineer (Kiyev). Flakes in Steel 146
- Mirovskiy, E. I., Engineer, A. L. Geller (Kramatorsk), B. B. Vinokur, and M. P. Braun (Kiyev). The Effect of the Duration of Heating Before Forging on the Ductility of Steel 152
- Gavranek, V. V., Engineer, and D. N. Bol'shutkin (Khar'kov). Mechanism of the Cavitation Erosion of Metals 157

Card 6/10

Physical Metallurgy. (Cont.)

SOV/5511

Blanter, M. Ye., Doctor of Technical Sciences, Professor,  
N. A. Kulakov, Engineer, and I. M. Sergeychev (Moscow).  
Quench-Hardening of Massive Steel Parts in Water-Air  
Mixtures 167

Braun, M. P., and B. B. Vinokur (Kiyev). Character of  
Rupture of Chromium-Nickel-Niobium Steel 182

Assonov, A. D., Candidate of Technical Sciences (Moscow).  
Effect of High-Temperature Heating on the Strength Proper-  
ties of Steel 189

Kondrashev, A. I., Engineer, K. F. Gurzhiyenko, and N. M.  
Kolesnik (Kramatorsk). Accelerated Heating and Cooling  
Regimes in the Heat Treatment of Large Forgings 196

Kostyrko, O. S., Engineer, Ye. P. Dobryanskaya  
(Magnitogorsk), and M. P. Braun. Development of a Rational  
Heat-Treatment Regime for Large Forgings 205

Card 7/10

**Physical Metallurgy (Cont.)**

SOV/5511

- Vinokur, B. B. (Kiyev). Heat Resistance of Various Alloyed Steels 215
- Vanin, V. S., Engineer, and V. K. Titov (Nikolayev). Cementation of Steel in Liquid Organic Media 225
- Bunin, K. P., Corresponding Member of the Academy of Sciences, Ukrainian SSR (Dnepropetrovsk), and A. V. Chernovol, Candidate of Technical Sciences (Kiyev). On the Graphite Growth in Cast Iron 229
- Zubarev, V. F., Doctor of Technical Sciences, Professor, and F. K. Tkachenko, Engineer (Zhdanov). On the Mechanism of the Silicon Influence on Graphitizing 234
- Popova, N. N., Engineer (Khar'kov). Investigation of the Growth of Gray Cast Iron 242
- Yatsenko, A. I., Engineer (Dnepropetrovsk). Structural Changes in Austenitizing Ferritic Magnesium Iron 249

Card 8/10

**Physical Metallurgy (Cont.)**

SOV/5511

Zubarev, V. F., Doctor of Technical Sciences, Professor,  
F. K. Tkachenko, and L. N. Kudryavtsev (Zhdanov). For-  
mation of Graphitization Centers and Special Features of  
Their Distribution in the Annealing of Quenched White  
Cast Iron 258

Titov, V. K., Engineer, and V. S. Vanin (Nikolayev).  
The Quenching of White Cast Iron and Its Effect on the  
Graphitization of Segregated Cementite 266

Dubrov, V. V., Engineer (Kiyev). Investigating the  
Isothermic Decomposition of Cementite in Manganese Cast  
Iron 270

Bobro, Yu. G., Candidate of Technical Sciences, Docent  
(Khar'kov). Effect of Certain Elements on the Properties  
of Manganese Cast Irons 281

Kvashnina, Ye. I., Engineer (Moscow). Optimum Heating  
and Cooling Rates in Annealing of High-Strength Spheroidal-  
Graphite Iron Castings 292

Card 9/10

Physical Metallurgy. (Cont.)

SOV/5511

Kononova, T. A., Engineer (Moscow). Investigating the  
Properties of Quenched Manganese Cast Iron

302

Bykhovskiy, A. I., Engineer (Kiyev). Effect of Heat  
Treatment on the Transformation of White Tin Into Gray  
Tin

317

AVAILABLE: Library of Congress

Card 10/10

VK/wra/os  
8/26/61



YUFEROV, D.V.

SHUBNIKOVA, O.M. and YUFEROV, D.V. Spravochnik po novym mineralam (1922-1932 gg.)  
Moskva, 1934. 167 p.

SO: IC, Soviet Geography, Part I, 1951, Uncl.

ACC NR: AP 7001306

SOURCE CODE: UR/0057/66/036/012/2154/2160

AUTHOR: Busol, F.I.; Skibenko, Ye.I.; Yufezov, V.B.

ORG: none

TITLE: Influence of nozzle configuration on supersonic flow of gas into vacuum

SOURCE: Zhurnal tekhnicheskoy fiziki, v. 36, no. 12, 1966, 2154-2160

TOPIC TAGS: Laval nozzle, supersonic nozzle, gas jet, carbon dioxide, vacuum

ABSTRACT: The authors have investigated the spread of supersonic jets of  $\text{CO}_2$  issuing from different Laval nozzles into vacuum. The investigations were undertaken in connection with design of gaseous charge exchange targets. The investigated nozzles had throat diameters  $T$  from 0.3 to 3.0 mm, mouth diameters  $M$  up to 15 mm, lengths  $L$  (from throat to mouth) from 0 to 81 mm, and values of  $L/M$  from 0 to nearly 6. The pressure was measured at a point 15 cm from the axis of the jet, and the increase of this pressure in the presence of the jet was taken as a measure of the spread. In addition to the nozzle dimensions, there was investigated the effect of metal shielding tubes of different lengths surrounding the initial portion of the jet and cooled to  $20.4^\circ \text{K}$ . Most of the measurements were made at a standard flow rate of 11 cm/sec. The experimental technique has been described in more detail elsewhere by the authors and collaborators (ZhTF, 34, No.12, 1964; 35, No.8, 1965). Small

Card 1/2

UDC: 533.17

ACC NR: AP 7001309

values of  $T$  (requiring high pressures behind the nozzle to achieve the standard flow rate) were found to favor sharpness of the jet, and the optimum value of  $L/M$  was in the neighborhood of unity, depending somewhat on  $T$ . The cold shielding tubes considerably improved the jet sharpness. For an approximately optimal nozzle with  $T = 0.3$  mm and  $L/M = 1$  the pressure at 15 cm from the axis (presumably with the standard flow rate of  $11 \text{ cm}^3/\text{sec}$ ) was approximately  $2 \times 10^{-5}$ ,  $7 \times 10^{-7}$ , and  $1 \times 10^{-7}$  mm Hg when the length of the shielding tube was 0, 1.3, and 8 mm, respectively. Experiments at different flow rates showed that for nozzles with  $T = 1.5$  mm and  $L/M$  between 0.5 and 5.0 the pressure at 15 cm from the axis was practically independent of the flow rate for rates from 10 to  $95 \text{ cm}^3/\text{sec}$ . The authors thank Ye.S. Borovik for advice and discussions, and M.M. Nikulin for fabricating the nozzles. Orig. art. has: 5 figures and 1 table.

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SUBM DATE: 20Dec65

ORIG. REF: 007

Card 2/2

ACC NR: AP7003874 (N) SOURCE CODE: UR/0133/67/000/001/0074/0079

AUTHOR: Yufarov, V. M. (Docent; Candidate of technical sciences); Geyko, I. K. (Engineer)

ORG: VNITI

TITLE: Forgeability of stainless and heat-resistant steels

SOURCE: Stal, no. 1, 1967, 74-79

TOPIC TAGS: steel, steel structure, stainless steel, heat resistant steel, plasticity, forgeability

ABSTRACT: Generalization of test data on stainless and heat resistant steels obtained by the hot-twist method in the temperature range 1000—1025 C has made it possible to establish the forgeability and deformation resistance of these steels as a function of structure. Knowing only the chemical composition, the derived formulas and charts can be used to determine the true yield point (deformation resistance) as related to temperature and deformation rate. Orig. art. has: 11 formulas, 6 figures and 1 table. [Authors' abstract] [AM]

SUB CODE: 11/SUBM DATE: none/ORIG REF: 020/

Card 1/1

UDC: 620.162.2:620.183

112-1-713

Translation from: Referativnyy Zhurnal, Elektrotehnika, 1957, Nr 1,  
p. 119 (USSR)

AUTHOR: Yuferov, F. M.

TITLE: Permeance Ripples of Electrical Machinery Air Gaps (Zubtsovyye  
pul'satsii magnitnoy provodimosti vozdukhnykh zazorov elektricheskikh  
mashin)

PERIODICAL: Tr. Mosk. energ. in-ta, 1956, Nr 16, pp. 159-171

ABSTRACT: Bibliographic entry.  
Card 1/1

YU FEROU, F. M.

SOV/112-59-1-877

3(0)

Translation from: Referativnyy zhurnal. Elektrotexnika, 1959, Nr 1, p 117 (USSR)

AUTHOR: Chetchev, Yu. S., Aslakhov, N. V., Zavrlyayev, A. S., Somikhina, G. S.  
and Yulzerov, F. M.

TITLE: Electric Motors for Medical-Equipment Drives

PERIODICAL: Materialy po obshchey optom i nauchn. dostizh. v med. prom-sti.  
1957, Nr 5 (24), pp 58-62

ABSTRACT: Specific requirements of medical-type electric motors are considered: noiselessness, absence of vibration, normal operation at wide supply-voltage fluctuations, simple and reliable starting, and various other requirements of regulating and starting characteristics. Small motors of the normal MII MEIP series are considered unsuitable for medical purposes. A nomenclature and characteristics of special medical-type motors manufactured by the Ministry of Health, USSR, are reported.

L. Ya. L.

Card 1/1

AUTHOR: Yuferov, Fedor Mikhaylovich, Candidate of Technical Sciences, Docent at the Chair of Electrical Machines at the Moscow Institute of Power Engineering SOV/ 161-58-1-16/33

TITLE: Slotted Stator Front Rings of an Electrical Machine as a Means for Suppressing the Slot Reactive Moment (Tortsevyye kol'tsa na zubchatom statore elektricheskoy mashiny kak metod bor'by s zubtsovymi reaktivnymi momentami)

PERIODICAL: Nauchnyye doklady vysshey shkoly, Elektromekhanika i avtomatika, 1958, Nr 1, pp. 131 - 135 (USSR)

ABSTRACT: Experiments were conducted by the author in order to investigate the influence of pulsations of the flux in the front domain on the slot reactive moment. From the curves obtained in this investigation it can be seen that the magnitude of the slot reactive moment is considerably reduced when the stators slots are closed by front rings. The pulsation of the flux at the front is only one of the sources for the slot reactive moment. In every electrical machine a certain gap is found between the inside recess of the stator and its windings. This can be used for the insertion of slender front

Card 1/2

Slotted Stator Front Rings of an Electrical Machine  
as a Means for Suppressing the Slot Reactive Moment

SOV/ 161-58-1-16/33

rings. The investigations of contactless selsyns with front rings showed that it is possible to reduce the slot ripple oscillations to a considerable extent by fitting slender front rings to small power electrical machines. It is convenient not to stick the front rings to the front of the stator but to insert them into the somewhat enlarged inside recess of the outer laminations of the stator. There are 6 figures and 3 references, 1 of which is Soviet.

ASSOCIATION: Kafedra elektricheskikh mashin Moskovskogo energeticheskogo instituta (The Chair of Electrical Machines at the Moscow Institute of Power Engineering)

SUBMITTED: February 3, 1958

Card 2/2



8(5)

AUTHORS: Yuferov, Andrey Mikhaylovich, Professor SOV/161-58-2-16/30  
at the Chair of Metallography of the Gor'kiy Polytechnic  
Institute, Yuferov, Fedor Mikhaylovich, Candidate of Technical  
Sciences, Docent at the Chair of Electrical Machines of the  
Moscow Power Engineering Institute

TITLE: Induction Motor With Massive Metal Ceramic Rotor (Asinkhronnyy  
dvigatel' s massivnym metallokeramicheskim rotorom)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika,  
1958, Nr 2, pp 134 - 138 (USSR)

ABSTRACT: The results of the 1957 tests on induction motors with massive  
powder metal rotors are given. 8 rotors differing from one another  
by both composition and method of production were tested.  
A short description of the rotors follows. All rotors were  
tested in the same motor. The test gave the following results:  
1) The mechanical characteristics of the motor with powder  
metal rotors are considerably better than those of the motors  
with rotors of all types of tested cast-iron and are about  
the same as those of the motors with a Nr 3 steel rotor  
without copperplated frontal areas. 2) The mechanical

Card 1/2

Induction Motor With Massive Metal-Ceramic Rotor

SOV/161-58-2-16/30

characteristics of motors with rotors Nr 5 and 8 are analogous to those of the motor with a rotor of steel 3 with copperplated frontal areas. 3) The no-load current (magnetizing current) of a motor with the metal-ceramic rotors Nr 1-3 is practically equal to that of the motor with the steel Nr 3 rotor. 4) The efficiency of the powder metal rotor equipped motor is better than that of the motors with rotors of various cast-iron types. The efficiency of a motor with the best metal-ceramic rotors (Nr 5 and 8) is the same as that of a motor with a rotor of steel 3 with copperplated frontal areas and better than that of the motor equipped with a steel 3 rotor without copperplating. There are 3 figures and 1 table.

ASSOCIATION: Kafedra elektricheskikh mashin Moskovskogo energeticheskogo instituta (Chair for Electrical Machines of the Moscow Power Engineering Institute)

SUBMITTED: January 22, 1958

Card 2/2

8(5); 28(1)

PHASE I BOOK EXPLOITATION

SOV/3391

Yuferov, Fedor Mikhaylovich

Elektricheskiye dvigateli avtomaticheskikh ustroystv (Electric Motors of Automatic Devices) Moscow, Gosenergoizdat, 1959. 223 p. (Series: Biblioteka po avtomatike, vyp. 8) Errata slip inserted. 15,000 copies printed.

Ed.: N. V. Astakhov; Tech. Ed.: N. I. Borunov; Editorial Board: I. V. Antik, S. N. Veshenevskiy, V. S. Kulebakin, A. D. Smirnov, B. S. Sotskov, Ye. P. Stefani, and N. N. Shumilovskiy.

**PURPOSE:** The book is intended for engineers and technicians engaged in practical problems of automation, remote control and computer technique. It may also be useful to students of schools of higher education and tekhnikums, studying appropriate sections in the course "Electric Machines."

**COVERAGE:** The book discusses the construction, principle of operation, basic features and characteristics of electric motors used in systems of automation and remote control and in computer

Card 1/8

Electric Motors (Cont.)

SOV/3391

applications. Separate chapters describe induction capacitor motors with a hollow nonmagnetic rotor, an ordinary-type rotor, a hollow ferromagnetic rotor, and a massive ferromagnetic rotor; also described are synchronous reluctance and hysteresis motors and d-c and a-c commutator motors. There are 28 references, all Soviet. The author thanks Professor Yu. S. Chechet, Doctor of Technical Sciences, and N. V. Astakhov, A. M. Langen, and Ya. L. Vittenberg, Candidates of Technical Sciences, for their help.

TABLE OF CONTENTS:

Foreword	3
Introduction	7

PART I. INDUCTION MOTORS

Ch. I. Construction and Principle of Operation. Theoretical Principles

Card 2/8

Electric Motors (Cont.)

SOV/3391

1. Construction	9
2. Principle of operation	12
3. Principle of the formation of the revolving magnetic field	13
4. Basic equations. Vector diagram. Equivalent circuit	15
5. Torque	22
6. Static stability of motor operation	26
7. Speed regulation	28
8. Operating characteristics and fields of application of three-phase induction motors	31
Ch. II. Single-phase Induction Motors	
1. Construction and principle of operation	33
2. Starting. Conditions for obtaining a circular revolving field in a motor with two windings. Single-phase motors with starting devices	37
3. Utilization of three-phase motors for operation from a single-phase network	43
4. Single-phase shaded-pole motors	45

Card 3/8

Electric Motors (Cont.)

SOV/3391

Ch. III. Induction Capacitor Motors

1. Construction and principle of operation 49
2. Conditions for obtaining a circular revolving field in a capacitor motor 51
3. Performance of a capacitor motor with various voltages in its windings 55
4. Obtaining a circular revolving field with the aid of capacitance and an auxiliary resistance 57
5. Determination of motor parameters necessary for the calculation of  $k$ ,  $C$  and  $R_A$ , ensuring a circular revolving field 59
6. Classification of capacitor motors 61

Ch. IV. General Problems in the Theory of Induction Servomotors

1. Basic features 63
2. Shunt running and methods of elimination 65
3. Special features of mechanical characteristics and speed regulation 68
4. Electromechanical time constant 71
5. Connection diagrams 75

Card 4/8

Electric Motors (Cont.)

SOV/3391

Ch. V. Induction Servomotor With a Hollow Nonmagnetic Rotor	
1. Construction and principle of operation	77
2. Mechanical characteristics	80
3. Regulation characteristics	85
4. Mechanical power. Control and excitation powers. Efficiency	87
5. Positive and negative features of motors with hollow nonmagnetic rotors	90
Ch. VI. Induction Servomotors With Ordinary-Type Rotors and With Hollow Ferromagnetic Rotors. A Motor With a Massive Ferromagnetic Rotor	
1. Induction servomotor with an ordinary rotor	92
2. Induction servomotor with a hollow ferromagnetic rotor	96
3. Induction motor with a massive ferromagnetic rotor	100

PART II. SYNCHRONOUS MOTORS

Ch. VII. Construction and Principle of Operation. Theoretical Principles	
--	--

Card 5/8

Electric Motors (Cont.)

SOV/3391

1. Construction and principle of operation	109
2. Theoretical principles	110
3. Starting and speed regulation	119
4. Synchronous motors with excited poles	121
Ch. VIII. Synchronous Reluctance and Hysteresis Motors	
1. Construction, principle of operation and basic features of a synchronous reluctance motor. Its operation with a circular revolving field	124
2. Use of three-phase reluctance motors for operation from a single-phase network	133
3. Capacitor reluctance motors	134
4. Synchronous reluctance motors with shaded poles	138
5. Single-phase synchronous reluctance motors	139
6. Noiseless (geared) synchronous reluctance motors	142
7. Hysteresis motors	144
8. Motors of the SD and SRD types (Warren-Telechron motors)	154

PART III. D-C and A-C COMMUTATOR MOTORS

Card 6/8



Electric Motors (Cont.)

SOV/3391

Ch. IX. Construction, Principle of Operation and Theoretical Principles of D-C Motors-

- |   |     |
|---|-----|
| 1. Construction                                   | 159 |
| 2. Principle of operation                         | 163 |
| 3. Magnetic field of the motor. Armature reaction | 164 |
| 4. Commutation                                    | 166 |
| 5. Basic equations. - Starting. Speed regulation  | 170 |
| 6. Motor with shunt excitation                    | 173 |
| 7. Motor with series excitation                   | 177 |

Ch. X. D-C Servomotors

- |  |     |
|--|-----|
| 1. General remarks                                     | 180 |
| 2. Servomotor with armature control                    | 182 |
| 3. D-C servomotor with pole control                    | 188 |
| 4. Electromechanical time constants of d-c servomotors | 194 |
| 5. Low-inertia d-c servomotor                          | 196 |

Ch. XI. Single-phase Commutator A-C Motors

- |                                  |     |
|----------------------------------|-----|
| 1. Single-phase commutator motor | 197 |
|----------------------------------|-----|

Card 7/8

Electric Motors (Cont.)

SOV/3391

2. Universal commutator motor

200

Appendix

204

Bibliography

223

AVAILABLE: Library of Congress

Card 8/8

JP/os  
4/12/60

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energ. 19 no. 2:41-47 F '64. (MIRA 17:5)

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Executive electric motors of automatically controlled systems.  
Prom.energ. 19 no. 4:38-42 Ap '64. (MIRA 17:5)

YUFEROV, F.M., kand. tekhn. nauk

Executive motors of automatic control units. Prom. energ. 19  
no.5:42-46 My '64. (MIRA 17:6)



MAKHMUD ABDEL' KHALIM SALEKH, kand. tekhn. nauk; YUFEROV, P.M., kand. tekhn. nauk

- Self-action of asynchronous executive motors with nonsinusoidal power supply voltage. Elektrotehnika 35 no.7:25-26 '64.  
(MIRA 17:11)

Orig. a/c. has: 2 figures, 3 forms, and 1 table.

ASSOCIATION (Moskovskiy energo inzhenernyy institut /Moscow Energy Institute)

SUBMITTED: 09 May 64

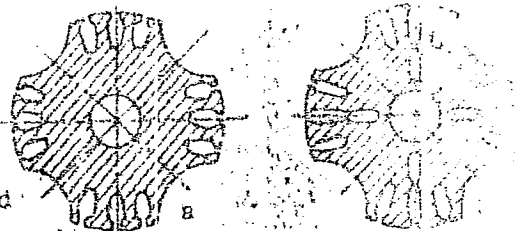
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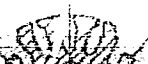
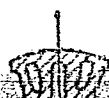
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Page 2/3

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DESCRIPTION: NET AP5010000



Regular rotors remodeled  
for reactive-motor  
operation



L 39536-66 EWT(1) GD  
ACC NR: AP6006627 SOURCE CODE: UR/0292/65/000/011/0009/0011  
AUTHOR: Yuferov, F. M. (Candidate of technical sciences); Kolesnikov, V. P.  
(Engineer)  
ORG: none  
TITLE: Starting of a single-phase capacitor synchronous motor with permanent magnets  
SOURCE: <sup>36</sup>Elektrotehnika, no. 11, 1965, 9-11 <sup>29</sup>  
TOPIC TAGS: electric motor, synchronous motor, capacitor motor  
ABSTRACT: Operation of a permanent-magnet single-phase synchronous motor, one of whose phases contains the capacitor, is regarded as a superposition of these two regimes: (a) single-phase capacitor induction motor and (b) short-circuited two-phase synchronous generator having a capacitor in one of its phases. Formulas for currents, torques, and powers of the above combination are developed. Theoretical and experimental curves of starting currents and torques vs. slip, for various capacitances, are shown. Maximum braking torque of the capacitor motor is markedly lower than the maximum braking torque of a symmetrically fed motor. This and other factors are favorable for starting conditions of capacitor-type synchronous motors. Orig. art. has: 4 figures and 19 formulas.  
SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002  
Cord 1/1 ymb UDC: 621.313.323.001.5

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Table 1. *Continued*

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6.1. OR. Y. M. P. M. (Cand. Sci. Techn. Sci.)

Power Engineering Institute (P.E.I.)

1.1. General formulas determining the variation of salient pole machines

6.1.1. Elektrichstvo, no. 12, 1965, 1965

TOPIC: T. G. S. electric <sup>machine</sup> ~~machine~~, salient pole machine

Abstract: The variation of a gap permeability at the air gap of a generator is assumed to be a function of the magnetic flux passing through the teeth of the generator. It depends on the variation of the teeth of the generator as a function of the generator core length. Fourier series. A Fourier coefficient,  $A_1$ , is determined. As a result, this formula is offered for the permeability

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ACC NR: AP6006714

The above formula is valid for machines with an even number of slots. When the number of slots is odd, only a slight modification is needed. Another formula shows four methods of solution. art. nos. 4 figures and 53 formulae.

SUB CODE: 10 / SUBM DATE: 11May65 / ORIG FILE

Card 2/2





ACC NR: AP6026343

SOURCE CODE: UR/0144/66/000/007/0751/0756

AUTHOR: Yuferov, F. M. (Candidate of Technical Sciences; Docent); Kolesnikov, V. P. (Aspirant)

ORG: Electrical Machinery Department, Moscow Energy Institute (Kafedra elektricheskikh mashin Moskovskogo energeticheskogo instituta)

TITLE: Selecting the degree of excitation and parameters for a permanent magnet synchronous motor

SOURCE: IVUZ. Elektromekhanika, no. 7, 1966, 751-756

TOPIC TAGS: electric motor, permanent magnet material, electric power source, miniature electric power source, ~~parameters, excitation energy~~

ABSTRACT: The recent, considerable, improvement in the properties of magnetic materials has generated increased interest in permanent magnet synchronous motors, two designs of which are discussed. Properties are analyzed and the following conclusions arrived at: (1) excitation for small motors can be determined given conditions providing for reliable asynchronous starting; (2) excitation for large motors must be determined on the basis of maximum power factor for the rating; (3) the relationship between motor parameters in asynchronous and synchronous operation influences the selection of excitation magnitude, since if power and excitation are

Card 1/2

UDC: 621.313.332+621.3.045

ACC NR: AP6026343

decreased there must be an increase in leakage permeance arising from the condition of optimum use of permanent magnets, which, in turn results in a relative reduction in the differences in permeance along the axis used in the calculations. The latter result serves to improve the starting and running properties of permanent magnet synchronous micromotors. Orig. art. has: 14 formulas, and 5 figures.

SUB CODE: 09/SUBM DATE: 14Jan64/ORIG REF: 003

Card 2/2

ACC NR: AP7007068

SOURCE CODE: UR/0292/66/000/011/0022/0027

AUTHOR: Kurakin, A. S. (Candidate of technical sciences); Tuferov, F. M. (Candidate of technical sciences)

ORG: none

TITLE: Reactive type synchronous reducer motor

SOURCE: Elektrotehnika, no. 11, 1966, 22-27

TOPIC TAGS: electric motor, vector analysis

SUB CODE: 09

ABSTRACT: A presentation of problems from the theory of synchronous reducer motors of reactive type. The theoretical conclusions are supported by experimental investigations on motors in various operating modes. Formulas are presented which are necessary for calculation of the operative and mechanical characteristics of the motors. The principle operation of the synchronous reducer motor is presented and its primary power relations are defined; the conversion plan and vector diagram of the motor are presented. The differentiating point of synchronous reducer motors is the presence of open grooves on the stator and rotor. Orig. art. has: 7 figures, 16 formulas and 1 table. [JPRS: 39,577]

Card 1/1

UDC: 621.313.323.001.1

L 06506-67 EWP(j)/EWI(m) RM

ACC NR: AP7000486

SOURCE CODE: UR/0079/66/036/006/1142/1143

AUTHOR: Imayev, M. G.; Shakirova, A. M.; Yuferova, M. Kh.

27  
13

ORG: Bashkir State University (Bashkirskiy gosudarstvennyy universitet); All-Union Scientific Research Institute of Synthetic Fats (Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskikh zhirov)

TITLE: Organophosphorus compounds with an active methylene group. II. Synthesis of certain alkylphenylphosphoneacetophenones ¶

SOURCE: Zhurnal obshchey khimii, v. 36, no. 6, 1966, 1142-1143

TOPIC TAGS: organic synthetic process, organic phosphorus compound

ABSTRACT: New Mixed aliphatic-aromatic di-n-propyl- and dibutylphenyl phosphites were synthesized. Their reaction with omega-bromoacetophenone proceeds according to the Arbuzov rearrangement to form n-propyl- and n-butylphenylphosphoneacetophenones. The structures of the reaction products were confirmed by infrared spectra and by hydrolysis to acetophenonephosphinic acid. They react slowly with sodium, liberating hydrogen, and do not color ferricchloride in alcohol solution. Orig. art. has: 1 figure. [JPRS: 37,023]

SUB CODE: 07 / SUBM DATE: 06May65 / ORIG REF: 006 / OTH REF: 001

Card 1/1 h.26

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YUFEREV, O.V.

Systematics of Parathuramina. Vop. mikropaleont. no.5:121-127  
'61. (MIRA 14:8)

1. Severo-Kavkazskiy gorno-metallurgicheskiy institut.  
(Foraminifera, Fossil)

BOGUSH, Oksana Ivanovna; YUFEREV, Oleg Vyacheslavovich; SOKOLOV, E.S.,  
otv. red.; KALANTAROV, A.P., red.izd-va; PRUSAKOVA, T.A.,  
tekhn. red.; RYLINA, Yu.V., tekhn. red.

[Foraminifers and stratigraphy of Carboniferous sediments in  
the Kara-Tau and Talas Ala-Tau] Foraminifery i stratigrafiia ka-  
mennougol'nykh otlozhenii Karatau i Talasskogo Alatau. Moskva,  
Izd-vo Akad. nauk SSSR, 1962. 234 p. (MIRA 15:9)

(Kara-Tau--Foraminifera, Fossil)

(Talas Ala-Tau--Foraminifera, Fossil)

BOGUSH, O.I.; GERASIMOV, Ye.K.; CHERNYAK, G.Ye.; YUFEREV, O.V.

Krestyakh conglomerates at the mouth of the Iana River  
and their analogies. Dokl. AN SSSR 153 no.1:166-169 N '63.  
(MIRA 17:1)

1. Institut geologii i geofiziki Sibirskogo otdeleniya  
AN SSSR. Predstavleno akademikom A.A. Trofimukom.

YUFEREV, O.V.; BOGUSH, O.I.

Basic characteristics of the distribution of Foraminifera in Eurasia in the Lower Carboniferous (Famennian and Bashkir stages). Izv. AN SSSR. Ser.geol. 30 no.11:98-109 N '65. (MIRA 18:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR, Novosibirsk. Submitted April 13, 1964.



BOGUSH, Oksana Ivanovna; GERASTOV, Yevgeniy Konstantinovich;  
YUPEREV, Oleg Vyacheslavovich. Prinimali uchastvie:  
DUBATOLOV, V.N.; CHUDINOVA, I.I.; IVANOVSKIY, A.B.;  
YELKIN, Ye.A.; CHERNYAK, G.Ye.; FURSENKO, A.V., otv. red.

[Lower Carboniferous of the lower Lena Valley] Nizhnii  
karbon nizov'ev Leny. Moskva, Nauka, 1965. 64 p.  
(MIRA 18:7)

1. Chlen-korrespondent AN Belorusskoy SSR (for Fursenko).

BOGUSH, O.I.; YUFEREV, O.V.

Age of the Tikai series and its analogues in the lower Lena Valley. Dokl. AN SSSR 165 no.4:891-893 D '65.

(MIRA 18:12)

1. Institut geologii i geofiziki Sibirskogo otdeleniya AN SSSR. Submitted June 21, 1965.

YUFERVA, Ye.P.

Hormonal disorders in asthenic and hypochondriac states in patients with schizophrenia and involutional diseases. Zhur. nevr. i psikh. 61 no.11:1710-1715 '61. (MIRA 15:2)

1. Klinika pogranichnykh form psikhicheskikh zabolevaniy (rukovoditel'- dotsent D.Ye.Meleshov) Instituta psikiatrii (dir. - prof. V.M. Banskichikov) Ministerstva zdravookhraneniya RSFSR, Moskva.  
(SCHIZOPHRENIA) (STEROIDS) (MENTAL ILLNESS)

MAKHMUD ABDEL' KHALIM SALEKH, kand. tekhn. nauk (Ob'yedinennaya Arabskaya Respublika); YUFEROV, Fedor Mikhaylovich, kand. tekhn. nauk, dotsent

Methods for calculating the characteristics of two-phase induction micromotors fed by nonsinusoidal nonsymmetrical voltages. Izv. vys. ucheb. zav.; elektromekh. 8 no.11:1211-1221 '65.

(MIRA 19:1)

1. Kafedra elektricheskikh mashin Moskovskogo ordena Lenina energeticheskogo instituta (for Yufarov).